

From the INTERNATIONAL BUREAU

**PCT**

NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY  
(CHAPTER I OR CHAPTER II)  
OF THE PATENT COOPERATION TREATY  
(PCT Rules 44bis.3(c) and 72.2)

Date of mailing (day/month/year)  
12 October 2006 (12.10.2006)

Applicant's or agent's file reference  
54603 WO

International application No.  
PCT/DE2005/000165

Applicant

To:

VON CREYTZ, Dietrich  
Tannenweg 25  
41844 Wegberg  
ALLEMAGNE

Eingegangen

18. Okt. 2006

PA D. v. Creytz

**IMPORTANT NOTIFICATION**

International filing date (day/month/year)  
02 February 2005 (02.02.2005)

DISTEC GMBH et al

**1. Transmittal of the translation to the applicant.**

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

**2. Transmittal of the copy of the translation to the designated or elected Offices.**

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

**3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).**

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Authorized officer

Agnes Wittmann-Regis

Facsimile No. +41 22 338 82 70

Facsimile No. +41 22 338 82 70

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 54603 WO	<b>FOR FURTHER ACTION</b>	
See item 4 below		
International application No. PCT/DE2005/000165	International filing date (day/month/year) 02 February 2005 (02.02.2005)	Priority date (day/month/year) 05 February 2004 (05.02.2004)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant DISTEC GMBH		

<p>1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).</p> <p>2. This REPORT consists of a total of 6 sheets, including this cover sheet.</p> <p>In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.</p>																	
<p>3. This report contains indications relating to the following items:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center; padding: 5px;"><input checked="" type="checkbox"/></td> <td style="width: 85%; padding: 5px;">Box No. I Basis of the report</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input checked="" type="checkbox"/></td> <td style="padding: 5px;">Box No. II Priority</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">Box No. IV Lack of unity of invention</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input checked="" type="checkbox"/></td> <td style="padding: 5px;">Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">Box No. VI Certain documents cited</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">Box No. VII Certain defects in the international application</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">Box No. VIII Certain observations on the international application</td> </tr> </table>		<input checked="" type="checkbox"/>	Box No. I Basis of the report	<input checked="" type="checkbox"/>	Box No. II Priority	<input type="checkbox"/>	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI Certain documents cited	<input type="checkbox"/>	Box No. VII Certain defects in the international application	<input type="checkbox"/>	Box No. VIII Certain observations on the international application
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<input type="checkbox"/>	Box No. VIII Certain observations on the international application																
<p>4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).</p>																	

<div style="text-align: right; margin-bottom: 5px;"> <span style="border: 1px solid black; padding: 2px;">Date of issuance of this report 04 October 2006 (04.10.2006)</span> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%; border-bottom: 1px solid black; padding: 5px; margin-bottom: 5px;"> The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland </div> <div style="width: 45%; border-bottom: 1px solid black; padding: 5px; margin-bottom: 5px;"> Authorized officer   <b>Agnes Wittmann-Regis</b>  e-mail: <a href="mailto:pt06@wipo.int">pt06@wipo.int</a> </div> </div>	
Facsimile No. +41 22 338 82 70	Form PCT/IB/373 (January 2004)

**PATENT COOPERATION TREATY**

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

**PCT**  
*TRANSLATION*

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

(PCT Rule 43bis.1)

		Date of mailing (day/month/year)	<b>See form PCT/ISA/210</b>
<b>Applicant's or agent's file reference</b> <b>54603 WO</b>		<b>FOR FURTHER ACTION</b> <small>See paragraph 2 below</small>	
International application No. <b>PCT/DE2005/000165</b>	International filing date (day/month/year) <b>02.02.2005</b>	Priority date (day/month/year) <b>05.02.2004</b>	
<b>International Patent Classification (IPC) or both national classification and IPC</b> <b>G09F9/35, G09F13/06</b>			
<b>Applicant</b> <b>DISTEC GMBH</b>			

**1. This opinion contains indications relating to the following items:**

<input checked="" type="checkbox"/>	Box No. I	Basis of the opinion
<input checked="" type="checkbox"/>	Box No. II	Priority
<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/>	Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/>	Box No. VI	Certain documents cited
<input type="checkbox"/>	Box No. VII	Certain defects in the international application
<input type="checkbox"/>	Box No. VIII	Certain observations on the international application

**2. FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

**3. For further details, see notes to Form PCT/ISA/220.**

Name and mailing address of the ISA/JP	Authorized officer
Facsimile No.	Telephone No.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/DE2005/000165

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
 This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
 a sequence listing  
 table(s) related to the sequence listing
  - b. format of material  
 in written format  
 in computer readable form
  - c. time of filing/furnishing  
 contained in the international application as filed.  
 filed together with the international application in computer readable form.  
 furnished subsequently to this Authority for the purposes of search.
3.  In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/DE2005/000165

Box No. II Priority

1.  The following document has not yet been furnished:

copy of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(a)).  
 translation of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(b)).

Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.

2.  This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43bis.1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.

3. Additional observations, if necessary:

The validity of the priority claim has not been considered because the International Searching Authority does not have in its possession a copy of the earlier application whose priority has been claimed or, where required, a translation of that earlier application. This opinion has nevertheless been established on the assumption that the relevant date (Rules 43bis1 and 64.1) is the claimed priority date.

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/DE2005/000165

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

**1. Statement**

**Novelty (N)**

Claims 1 - 4

YES

Claims

NO

**Inventive step (IS)**

Claims 1 - 4

YES

Claims

NO

**Industrial applicability (IA)**

Claims 1 - 4

YES

Claims

NO

**2. Citations and explanations:**

**1. Reference is made to the following document:**

D1: US 2003/146891 A1 (POLIAKINE RAN) 7 August  
2003 (2003-08-07)

**2. Document D1 is regarded as the closest prior art over the subject matter of claim 1. It discloses (the references between parentheses relate to said document):**

A large-area billboard (12) for outdoor advertising (paragraph [0021]), the luminosity of the reflective LCD elements (16) of the billboard depending on the strength and direction of the illumination and the billboard having an associated artificial illumination apparatus (20) having lamps for times when there is insufficient sunlight, which lamps shine on the billboard from the viewer's side (paragraphs [0048] - [0049]; figure 1).

The subject matter of claim 1 therefore differs from the known billboard by the fact that actuating means for the physical movement of the illumination apparatus out of the beam path of the sunlight falling on the billboard are provided.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/DE2005/000165

Box No. V

Reasoned statement under Rule 43bis I(e)(i) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

The subject matter of **claim 1** is therefore novel  
(PCT Article 33(2)).

The problem addressed by the present invention can therefore be considered that of applying the illumination apparatus, on the one hand, to the billboard such that, when there is sufficient sunlight, the illumination apparatus cannot be reproduced as shadows on the billboard.

The solution to this problem proposed in claim 1 of the present application involves an inventive step  
(PCT Article 33(3)) for the following reasons:

In document D1, an LCD billboard is described which has associated illumination elements which are regulated with the aid of a control unit in accordance with the incident sunlight. If, however, the sun is shining, shadows of the illumination elements may be reproduced on the LCD billboard. No indications are given in the prior art of providing respective actuating means for physically moving the illumination apparatus out of the beam path of the sunlight falling on the billboard.

**Claims 2-4** are dependent on claim 1 and therefore likewise meet the PCT requirements for novelty and inventive step.